SOUNDINGS IN FATHOMS

UNITED STATES – GULF COAST

GALVESTON TO RIO GRANDE

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

(For offshore navigation only)
Floating Aids to Navigation inside the sea buoys are not shown on this chart
See 1:80,000 scale series and large scale harbor charts for aids marking maintained channels.

Mercator Projection
Scale 1:600,732 at Lat. 28°
North American Datum of 1983
(World Geodetic System 1984)

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

NOTE B
These are parallel shipping safety fairways and not a traffic separation scheme. However, in the interest of vessel traffic safety, use of the northeast lane for inbound (258° true) traffic and the southwest lane for outbound (118° true) traffic is recommended.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

MINERAL DEVELOPMENT STRUCTURES
Obstruction lights and sound (fog) signals are required for fixed mineral development structures shown on this chart. Inquiries to approvals by the District Commander, U.S. Coast Guard (33 CFR 67).

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):
(ARTC) racon/beacon; Al. alternating; B. black; Bn. beacon; C. can; DIA. diaphone; F. fixed; Fl. flashing; G. green; Gp. group; IQ. interrupted quick; Iso. isophase; LT HO. lighthouse; M. nautical mile; m. minute; MICRO. TR. microwave tower; Mo. Mo(A). morse code; Mor. marker; Oc. occulting; Or. orange; Q. quick; R. red; RACON. radar beacon; R Bn. radiobeacon; R. TR. radar tower; RW. red/white; s. seconds; SEC. sector; St M. statute miles; VQ. very quick; W. white; Y. yellow

Buoys, characters:
Size: boomers (B.), can (C.), nun (N.), spar (S.), Color: green (G.), red (R.), white (W.), yellow (Y.), Shape: can (C.), nun (N.), pillar (P.), spar (S.), Topmark: can (C.), nun (N.), pillar (P.), spar (S.), Color: green (G.), red (R.), white (W.), yellow (Y.), Color pattern: horizontal bands (H.), vertical stripes (V.), Light: group (Gp.), quick (Q.), interrupted quick (IQ.), Nature: cylindrical (Cyl.), gravel (G.), hard (H.), mud (M.), rock (R.), sand (S.), shell (Sh.), stone (St.), weed (Wd.), wreck (Wk.), Miscellaneous: AUTH. authorized, Obstn. obstruction, PD. position doubtful, Subm. submerged, ED. existence doubtful, PA. position approximate, Rep. reported, (2). Wreck, rock, obstruction, or shoal swept clear to the depth indicated, (6) Floats that cover and uncover, with heights in feet above datum of soundings, COLREGS. International Regulations for Preventing Collisions at Sea, 1972.

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers and U.S. Coast Guard.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Submarine Pipelines and Cables
Uncharted submarine oil and gas pipelines and submarine cables may exist within the area of this chart. Mariners should use caution when anchoring, dragging or sweeping.
Pipelines may be marked by lighted or unlighted buoys.

CAUTION
Oil well structures, some submerged and capped, and submarine cables are charted only where offshore of the indicated limits of the 1:80,000 scale series chart.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, Eighth Coast Guard District, New Orleans, Louisiana, or at the Office of the District Engineer, Corps of Engineers in Galveston, Texas.
Refer to charted regulation section numbers.

NOTE C
CAUTION
This area is traditionally used by tank vessels for the lightering of crude oil at anchor and mariners are cautioned to give these vessels wide berth (c.a.) to their restricted ability to maneuver during lightering operations.

NOTE D
CAUTION
Unexploded ordnance is known to exist in this area. Ordnance removed from the ocean floor should be reported to the U.S. Coast Guard immediately for disposal instructions. See annulis NM 1 (98).

CAUTION
Only marine radionavigation hyperbolic systems are depicted for surface use. Limitations on the use of certain other radio signals or aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.

Radio direction finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:

MICROSECONDS

LORAN LINEAR INTERPOLATOR

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
1960 79,800 Microseconds
STATION TYPE DESIGNATORS (Not individual station letter designators)
M Master
W Secondary
X Secondary
Y Secondary
Z Secondary
EXAMPLE 7980-X

RATES ON THIS CHART
7980-W 7980-X 7980-Y 7980-Z

Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The lines of position shown have been adjusted based on theoretically determined overland signal propagation delays. They have not been verified by comparison with survey data. Every effort has been made to meet the 1 nautical mile accuracy criteria established by the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83). For charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 do not require conversion to NAD 83 for plotting of this chart.

GULF OF MEXICO

DUMP SITE
(industrial wastes)
(see note S)

CAUTION
Oil well structures, some submerged and capped, and submarine cables are charted only where offshore of the indicated limits of the 1:80,000 scale series chart.

Nautical Chart Catalog No. 1, Panel B

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CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Submarine Pipelines and Cables
Uncharted submarine oil and gas pipelines and submarine cables may exist within the area of this chart. Mariners should use caution when anchoring, dragging or trawling.
Covered wells may be marked by lighted or unlighted buoys.

CAUTION
Oil well structures, some submerged and capped, and submarine cables are charted only where offshore of the indicated limits of the 1:80,000 scale series chart.

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LORAN LINEAR INTERPOLATOR

CONTINUED ON CHART 42

29th Ed., Sept. 29/90 ■

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LOCAN-C SUPPRESSED

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the

SOUNDINGS IN FATHOMS

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102

(Galveston to Rio Grande)

11300